



भारत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 20] नई दिल्ली, शनिवार, मई 16, 1981 (वैशाख 26, 1903)
No. 20] NEW DELHI, SATURDAY, MAY 16, 1981 (VAISAKHA 26, 1903)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS
Calcutta, the 16th May 1981

CORRIGENDUM

In the Gazette of India Part III, Section 2 dated the 14th March 1981 under the heading "Patents Deleted" delete 147432.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

9th April, 1981

390/Cal/81. Tatabanyai Szenbanyak. Process for the extraction of thick coal seams.

391/Cal/81. NRM Corporation. Tire press.

392/Cal/81. NRM Corporation. Hydraulic tire press.

10th April, 1981

393/Cal/81. Hoechst Aktiengesellschaft. Process for the manufacture of 2-trifluoromethyl-aniline.

394/Cal/81. Peuk Produits Chimiques Uguine Kuhlmann. Gypsum/synthetic anhydrite binders. (February 16, 1981).

395/Cal/81. Hoechst Aktiengesellschaft. Production of calcium carbide.

396/Cal/81. Bethlehem Steel Corporation. Gas wiping apparatus and method of using.

1—67GI/81

13th April, 1981

397/Cal/81. Wedco, Inc. Heat treating of material in finely divided form.

398/Cal/81. Maschinenfabrik Rieter A.G. Electric stop motion apparatus for a textile machine.

399/Cal/81. Politechnika Ipari Szovetkezet. Spatial logical toy.

400/Cal/81. S. Kupisiewicz and J. J. Schochbrechts. Rotating electrical machine.

14th April, 1981

401/Cal/81. R. Swanson. Process for hydrotreating carbonaceous materials.

15th April, 1981

402/Cal/81. Metal Box Limited. Closures for containers. (April 15, 1980).

403/Cal/81. Politechnika Ipari Szovetkezet. Spatial logical toy.

404/Cal/81. Kraftwerk Union Aktiengesellschaft. Desalination apparatus.

ALTERATION OF DATE

148692.

602/Cal/79. Ante-dated 21st July, 1976.

148698.

251/Del/79. Ante-dated July 5, 1977.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications

concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 150G & H & 151G. 148691.
Int. Cl.-F161 3/00, E02d 17/06.

IMPROVEMENT IN SUPPORT ELEMENT FOR PIPE DITCHES WHICH CONSIST OF SUPPORT PLATES PRESSED AGAINST THE DITCH WALL BY LONGITUDINALLY ADJUSTABLE SPREADING MEANS.

Applicant & Inventor : JOSEF KRINGS, OF HANS-BOECKLER-STR. 23, D. 5138 HEINSBERG-ÖBERBRUCH, FEDERAL REPUBLIC OF GERMANY.

Application No. 513/Cal/78 filed May 12, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

An improved support element for pipe ditches in which pipes and the like are laid, of the type which includes support plates which are pressed against the opposing ditch walls in pairs by known longitudinally-adjustable means and which are guidably retained in vertical supports, the improvement comprising : at least one of said support plates having a foot portion which is provided with a closable opening for guiding a pipe therethrough.

Comp. Specn. 10 Pages. Drg. 2 Sheets.

CLASS 90F. 148692.
Int. Cl.-C03c-3/00.

A METHOD OF CONVERTING A CONVENTIONAL FOREHEARTH INTO A FOREHEARTH FOR USE WITH A BUSHING ASSEMBLY.

Applicant : NITTO BOSEKI CO. LTD., 1, AZA HIGASHI GONOME, FUKUSHIMA-SHI, JAPAN.

Inventor : CHARLES HALEY COGGIN, JR.

Application No. 602/Cal/79 filed June 11, 1979.

Division of Application No. 1307/Cal/76 filed July 21, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A method of converting a conventional forehearth having a lower wall defined by juxtaposed inner and outer layers having aligned relatively large flow passages extending therethrough into a forehearth for use with a bushing assembly requiring a relatively small flow area capable of sustaining relatively high velocity flow, said method comprising : preparing a new outer layer for the lower wall of the forehearth fabricated of highly thermal shock resistant refractory mater-

ial, said new outer layer having : (a) an area greater than the area of the flow passage in the inner layer of the forehearth whereby said new outer layer functions to cover the flow passage in the inner layer, (b) a flow passage of restricted area extending therethrough in alignment with the flow passage in the inner layer of the lower wall of the forehearth, and (c) a platinum foil lining covering the flow passage therein; removing the outer layer of the lower wall of the conventional forehearth, and substituting in its place said new outer layer.

Comp. Specn. 21 Pages.

Drg. 3 Sheets.

CLASS 56B. 148693.
Int. Cl.-C10g, 13/02.

HYDROGEN-PRODUCING HYDROCARBON CONVERSION WITH GRAVITY-FLOWING CATALYST PARTICLES.

Applicant : UOP INC., AT TEN UOP PLAZA—ALGONQUIN AND MT. PROSPECT ROADS, DES PLAINES, ILLINOIS, U.S.A.

Inventor : ARTHUR RAYMOND GREENWOOD.

Application No. 29/Del/78 filed January 12, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

9 Claims.

A process for the catalytic reforming of a hydrocarbon charge stock in a multiple-stage system in which (1) catalyst particles flow downwardly, via gravity, through each reaction zone in said system, (2) catalyst particles are transferred in series from reaction zone to reaction zone in said system, (3) deactivated catalyst particles are withdrawn from said system through the lower end of the last reaction zone, and, (4) fresh, or regenerated catalyst particles are introduced into the upper end of the first reaction zone, which process comprises the sequential steps of :

(a) reacting said charge stock, in the absence of added hydrogen, in said last reaction zone, from which deactivated catalyst particles are withdrawn from said system, at catalytic reforming conditions;

(b) further reacting the effluent from said last reaction zone in said first reaction zone, through which fresh or regenerated catalyst particles are introduced into said system, at catalytic reforming conditions;

(c) further reacting the effluent from said first reaction zone in at least one intermediate reaction zone, at catalytic reforming conditions; and

(d) recovering in a manner known *per se* a normally liquid, catalytically-reformed product from the effluent withdrawn from said intermediate reaction zone.

Comp. Specn. 18 Pages.

Drg. 1 Sheet.

CLASS 32F^a. 148694.
Int. Cl.-C07c 85/10.

AN ELECTRO CHEMICAL PROCESS FOR THE PREPARATION OF 2-AMINO-M-XYLENE FROM 2-NITRO-M-XYLENE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI, 110001, INDIA.

Inventors : HANDADY VENKATAKRISHNA UDUPA, PAYYALLUR NARAYANAN ANANTHARAMAN AND MICHAEL NOEL.

Application No. 147/Del/78 filed February 23, 1978.

Complete Specification left April 23, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

9 Claims. No drawings.

An electrochemical process for the preparation of 2 amino m-xylene from 2 nitro m-xylene comprises electrolytically

reducing a suspension of 2 nitro m-xylene in a supporting electrolyte of sulphuric acid using an electrolytic cell with electrodes of copper as cathode, a strip of lead as anode and a porous pot as a diaphragm.

Prov. Specn. 5 Pages. Comp. Specn. 8 Pages. Drgs. Nil.
CLASS 34B & C. 148695.
Int. Cl.-C08b 15/06.

PROCESS AND APPARATUS FOR THE CONTINUOUS NITRATION OF CELLULOSE USING A NITRATING LIQUOR COMPRISING NITRIC ACID, SULPHURIC ACID AND WATER.

Applicant : SOCIETE NATIONALE DES POUDRES ET EXPLOSIFS, OF 12 QUAI HENRI IV, CEDEX 04, 75181 PARIS, FRANCE.

Inventors : FRANCOIS ANGE POLLOZEC, GONTRAN ROYER, REMY FAVROT, MICHEL BERNARD JACQUES MAURES AND ANDRE JACQUES MENGELLE.

Application No. 168/Del/78 filed March 6, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

17 Claims.

A process for the continuous nitration of cellulose using a nitrating liquor comprising nitric acid, sulphuric acid and water which comprises continuously injecting a slurry consisting of measured amounts of cellulose and the nitrating liquor under pressure into a primary nitration reactor comprising a loop of tubing, causing the slurry to circulate in a circuit in the loop, in the absence of air, by means of a circulation pump which forms part of the loop at a rate of circulation which is greater than the rate of injection of the slurry into the loop in order to obtain vigorous mixing of the slurry in the loop, and continuously withdrawing the slurry from the loop at a rate which is equal to the rate of injection and recovering in any known manner the nitrocellulose formed from the withdrawn slurry.

Comp. Specn. 24 Pages.

Drg. 1 Sheet.

CLASS 129N.

148696.

Int. Cl.-C23f 17/00, C23g 1/00.

A NEW PROCESS FOR IMPROVING SOLDERABILITY OF ALUMINIUM AND ALUMINIUM ALLOY COMPONENTS.

Applicant : THE CHIEF CONTROLLER RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI (INDIA).

Inventors : SHRI NELLYMOOD THOMAS GEORGE, SAMAVEDAM LAKSHMI NARASIMH ACHARYULU, GITI SANKAR BHATTACHARJEE AND MEDURI SUBRAHMANYAM.

Application No. 219/Del/78 filed March 27, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims. No drawings.

A process for improving solderability of aluminium and aluminium alloy components which consist in first removing by a chemical treatment refractory aluminium oxide layer from the surface of the component by dipping the same in the following bath :

Sodium carbonate	20 - 40 gms
Trisodium phosphate	25 - 35 gms.
Water	1 litre
	at 90°C

rinsing the treated surface in water followed by dipping the so treated component in the following solution;

Zinc Oxide	90 - 115 gms.
Sodium Hydroxide	- 500 gms.
Water	1 litre, rinsing the so treated

surface in cold water and then forming on the cleaned surface by electroplating a thin layer of non-reactive materials made up of nickel salts such as nickel sulfate, nickel chloride to protect the surface and to facilitate soldering by using conventional and common solders.

Comp. Specn. 7 Pages.

Drgs. Nil.

CLASS 32F1 & F1a & F1d. & 55Da.

148697

Int. Cl.-C07c 49/00.

METHOD FOR PREPARING NOVEL 2-ARYL-1, 3-CYCLOHEXANONE COMPOUNDS.

Applicant : UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK-10017, UNITED STATES OF AMERICA.

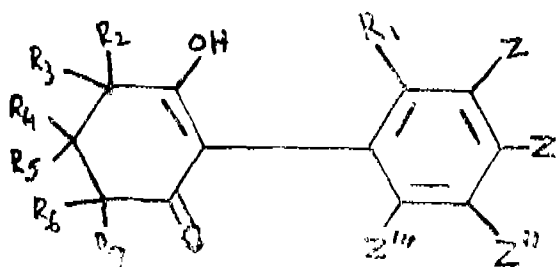
Inventor : THOMAS NEIL WHEELER.

Application No. 222/Del/78 filed March 27, 1978.

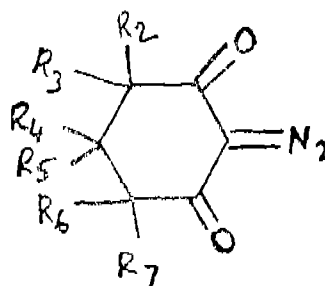
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

2 Claims.

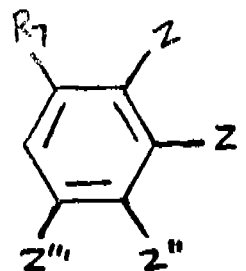
A method of preparing a compound of the formula shown in Fig. 1.



which comprises reacting a compound of the formula shown in Fig. 2.



with a compound of the formula shown in Fig. 3.



in the presence of ultraviolet radiation having a wavelength of greater than 290 nanometers, wherein :

Z, Z', Z'' and Z''' are individually hydrogen, poly-haloalkyl, halogen, cyano, alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, alkanoyl, amido, or haloalkyl; R1 is alkyl; R2, R3, R4, R5, R6 and R7 are individually hydrogen or either substituted or unsubstituted alkyl or phenyl wherein the permissible substituents are one or more alkyl, cyano, halogen, nitro, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl or dialkylamino substituents; or any two R2, R3, R4, R5, R6, R7 or R8 substituents; together may form an alkylene or

alkenylene chain having from 2 to 20 carbon atoms completing a 3, 4, 5, 6 or 7 membered ring structure; with the proviso that R¹, R², R³, R⁴, R⁵, R⁶, R⁷, Z, Z', Z'' and Z''' substituents individually may not include more than ten aliphatic carbon atoms.

Comp. Specn. 131 Pages.

Drg. 19 Sheets.

CLASS 1A & 104F.

148698

Int. Cl.-B29h 9/10, C08c 17/20, C08d 13/20.

AN IMPROVED METHOD FOR THE PRODUCTION OF A RUBBER COMPOSITION HAVING INCREASED ADHESION PROPERTIES BETWEEN RUBBER AND TEXTILES OF METALS.

Applicant : BAYER AKTIENGESellschaft, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : RUDIGER SCHUDART AND KLAUS-DIETER ALBRECHT.

Application No. 251/Del/79 filed April 18, 1979.

Division of Application No. 1016/Cal/77 filed July 5, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims

An improved method for the production of a rubber composition having increased adhesion properties between rubber and textiles or metals which comprises adding to a rubber, a rubber/fabric bonding agent composition comprising in any proportion a resorcinol derivative, such as herein described, a formaldehyde donor, calcium silicate and a metal oxide of the second or third Main Group of the Periodic System in an amount of from 2 to 25 parts by weight per 100 parts by weight of rubber.

Comp. Specn. 29 Pages.

Drg. 2 Sheets.

CLASS 98-I.

148699.

Int. Cl.-F24j 3/02.

A SOLAR COLLECTOR.

Applicant & Inventor : ANGELO PEDONE, OF PLACE VERTE 13, B-7500 TOURNAI, BELGIUM.

Application No. 334/Del/78 filed May 5, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

10 Claims.

A solar collector comprising a panel for absorbing a solar radiation, made of a thin sheet of metal covering a casing wherein a fluid is circulated from one end of the casing to the opposite end, one of the faces of the sheet of metal being blackened and superficially treated for the collection of solar radiation and the second face, opposite to the first face, being directly in contact over practically its entire surface with the said fluid, said casing comprising an inlet pipe and an outlet pipe at opposite ends of the casing for the fluid, said pipes being situated, respectively near the bottom of the layer of the fluid and the upper surface of said layer in order to facilitate the stratification of the fluid.

Comp. Specn. 13 Pages.

Drg. 2 Sheets.

CLASS 61D.

148700.

Int. Cl.-F26b 21/02.

MATERIAL DEHYDRATOR.

Applicant & Inventor : GOPAL SHARMA, 2049, SECTOR 4, URBAN ESTATE, GURGAON-122001, HARYANA.

Application No. 336/Del/78 filed May 8, 1978.

Complete Specification left November 24, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

1 Claim.

A hygroscopic solid material drying unit for purpose of drying of hygroscopic materials like timber, vegetables etc. comprising a cold refrigerant evaporator, a hot refrigerant condenser, a refrigerant compressor and a blower for air

circulation in the drying chamber, the whole arrangement being such that as the wet air from the drying chamber is passed over the cold refrigerant evaporator, it is cooled to its dew point so that the moisture condenses and separates in the form of water, characterised in that the air so dried is passed over the hot refrigerant condenser where it is heated and then circulated by the blower in the drying chamber, the refrigerant being circulated through cold refrigerant evaporator and hot refrigerant condenser by the refrigerant compressor.

Comp. Specn. 5 Pages.

Drg. 1 Sheet

CLASS 129-0.

148701.

Int. Cl.-B21d 22/02.

PROCESS FOR MANUFACTURING MONOBLOC WHEELS BY DIE STAMPING AND MONOBLOC WHEELS MADE THEREBY.

Applicant : FORGEAL, SOCIETE POUR LE FORGEAGE ET L'ESTAMPAGE DES ALLIAGES LIGERS, OF 23, RUE BALZAC, PARIS 8E, FRANCE.

Inventors : ROGER LUCAS AND JACQUES AUBERGER.

Application No. 589/Cal/76 filed April 3, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Process for manufacturing monobloc metal wheels for vehicles and more particularly for large tanker vehicles intended to be equipped with tyres and more particularly with tubeless tyres, said process comprising a shaping stage starting with a roughly shaped article in the form of a cylindrical disc and a finishing stage involving mechanical machining, characterised in that the shaping is effected by a combination of die stamping and press widening operations comprising the following stages :

—a first die stamping M1 which produces the wheel disc and, on its circumference a, thick bead orientated in a direction substantially parallel to the axis of the wheel and the inner side of the wheel,

—a second die stamping M2 which produces the elongation of the bead in the same direction as M1 and forms the rough shape of the small flange of the rim,

—a third die stamping M3 which brings the small flange to a shape very close to its final shape, and elongates the bead in the same direction as M1 and M2 so as to impart thereto a length substantially equal to the final length of the large flange of the rim,

—a widening, in a press, of the elongated bead, which gives it a shape in which the large flange may be machined.

Comp. Specn. 12 Pages

Drg. 2 Sheets.

CLASS 129B.

148702.

Int. Cl.-B21c 23/00.

PROCESS FOR MANUFACTURING MONOBLOC WHEELS BY DIE STAMPING AND ROTARY EXTRUSION.

Applicant : FORGEAL, SOCIETE POUR LE FORGEAGE ET L'ESTAMPAGE DES ALLIAGES LIGERS, OF 23, RUE BALZAC, PARIS 8E, FRANCE.

Inventors : ROGER LUCAS AND JACQUES AUBERGER.

Application No. 590/Cal/76 filed April 3, 1976.

Appropriate office for Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

Process for manufacturing monobloc metal wheels for vehicles and more particularly for large tanker vehicles intended to be equipped with tyres and more particularly with tubeless tyres, said process comprising a shaping stage starting with a rough shaped article and a finishing stage involving mechanical machining, characterised in that the roughly shaped article is substantially in the form of a cylindrical disc and in that the shaping operations comprise the following stages :

—a first die stamping M1 which produces the wheel disc and, on its circumference, a trick bead orientated in a direction parallel to the axis of the wheel and the inner side of the wheel,

—a second die stamping M2 which produces an elongation of the bead in the same direction as M1 and forms the rough shape of the small flange of the rim,

—a third die stamping M3 which produces a new elongation of the bead in the same direction as M1 and M2 and brings the small flange of the rim into a shape very close to its definitive shape,

—a cylindrical rotary extrusion which produces a new elongation of the part elongated by M1, M2 and M3, in the same direction, parallel to the axis and the inner side of the wheel,

—a widening out, in a press, of the part elongated by the cylindrical rotary extrusion, which roughly shapes the large flange of the rim,

—a conical rotary extrusion which brings the large flange of the rim into its definitive shape.

Comp. Specn. 17 Pages.

Drg. 4 Sheets.

CLASS 70A.

148703.

Int. Cl.-B611 1/00.

AN APPARATUS FOR COMPENSATING THE MAGNETIC FIELDS IN ADJACENT ROWS OF TRANSVERSELY MOUNTED IGNEOUS ELECTROLYSIS CELLS.

Applicant : ALUMINIUM PECHINEY, OF 28, RUE DE BONNEL, 69003, LYON, FRANCE.

Inventors : PAUL MOREL AND JEAN-PIERRE DUGOIS.

Application No. 2093/Cal/76 filed November 23, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

An apparatus for compensating the parasitic magnetic fields of adjacent rows of transversely mounted igneous electrolysis cells, comprising at least two rows, the anode of a downstream cell in one row being electrically connected to the cathode of the adjacent upstream cell, each cell comprising at least two anode bars to which rods secured to the anodes are anchored, and a cathode crucible of which the base is formed by blocks of carbon secured to cathode bars, the anode bars of the downstream cell being electrically connected to the cathode bars of the upstream cell by at least two steps, namely an inner step, i.e., situated on the side nearest the adjacent row, and an outer step, each step comprising two conductors of which one is connected to the upstream ends of the cathode bars and the other is connected to the downstream ends of the cathode bars, wherein one of the conductors of the inner step on the upstream side or downstream side is connected to more than half of the corresponding ends of the cathode bars, taken from the inner side, the conductor corresponding to the outer step being connected to the outside ends which are not connected to the inner step whilst the other inner conductor on the downstream side or upstream side is connected to half the inside of the corresponding ends and the corresponding outer conductor to half the outer side.

Comp. Specn. 17 Pages.

Drg. 3 Sheets.

CLASS 9D & F.

148704.

Int. Cl.-C22c 39/00.

A PROCESS FOR THE PREPARATION OF FREE MACHINING STEEL.

Applicant : UGINE ACIERS, OF 10, RUE DU GENERAL FOY, 75361 PARIS CEDEX 08, FRANCE.

Inventors : DANIEL THIVELLIER, LEON SERAPHIN AND ROLAND TRICOT.

Application No. 1722/Cal/75 filed September 9, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings

A process for the preparation of a free machining steel having a sulphur content of between 0.04 and 0.5% and having a greatly improved crosswise ductility and resilience, characterised in that it contains magnesium in a quantity at the most equal to 0.005% and at the least equal to 5 thousands of its sulphur content, characterised in that steel is deoxidised and resulphurated to obtain a sulphur content of between 0.04 and 0.5% and that magnesium is added in a quantity such that its content in the steel is at the most equal to 0.005% and at least equal to 5 thousands of its sulphur content.

Comp. Specn. 14 Pages.

Drgs. Nil.

CLASS 167G.

148705.

Int. Cl.-B07b 13/00.

PROCESS FOR CONCENTRATION OF PLATE-SHAPED MINERALS.

Applicant : W. R. GRACE & CO., AT 62 WHITEMORE AVENUE, CAMBRIDGE, STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventors : GARY GENE VAPLON, EDWIN ERICKSON AND JOSEPH L. YOUNG.

Application No. 273/Del/78 filed April 15, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

9 Claims.

The method of separating minerals which when mined are in the form of plate-shaped particles from other non-plate shaped constituents of the mined mineral ore, said method comprising the steps of :

(a) providing a bed formed by the surfaces of a plurality of spaced rotating rolls arranged generally horizontally along one side another, the axes of said rolls being substantially parallel and the direction of rotation of each roll being the same;

(b) depositing said mined mineral ore onto said bed of rolls;

(c) passing a substantial portion of said plate-shaped mineral particles in said mined ore through the spaces between said rolls while at the same time conveying a substantial proportion of said non-plate shaped constituents of said ore along the surfaces of said rolls in the direction of rotation of said rolls; and

(d) collecting the said plate-shaped mineral particles passing through said spaces beneath said bed of rolls, and collecting said non-plate shaped constituents at the end of said bed.

Comp. Specn. 15 Pages.

Drg. 3 Sheets.

CLASS 76B.

148706.

Int. Cl.-E04g 7/02.

AN ASSEMBLY ELEMENT.

Applicant : SOCIETE NOUVELLE DES ECHAFAUDAGES TUBULAIRES MILLS, OF 82, RUE EDOUARD-VAILLANT, 93350 LE BOURGET (FRANCE).

Inventor : BERNARD BEZIAT.

Application No. 585/Cal/78 filed May 30, 1978.

Appropriate office for opposition Proceedings (Rule 4,

9 Claims.

An assembly element, *inter alia* for scaffolding, used (a) for clamping a cylindrical element after engaging axially or laterally on the cylindrical element and (b) for securing one or more transverse elements on to the cylindrical element, characterised in that it mainly comprises two half-rings interconnected by two pins, each half-ring having a deformable inner part adapted to bear against the surface of the cylindrical element and an outer part adapted to co-operate with the inner part to bound spaces to receive the ends on one

or more transverse elements, at least one of the two pins being adapted to tighten the half-rings when the pin is moved with respect thereto.

Comp. Specn. 11 Pages.
CLASS 32F-a & 55E.

Drg. 4 Sheets.
148707.

Int. Cl.-C07c 167/28, 167/30.

PROCESS FOR THE PREPARATION OF DERIVATIVE OF TRIAMCINOLONE.

Applicant : SIGMA-TAU INDUSTRIE FARMACEUTICHE RIUNITE S.P.A., OF 47 VIALE SHAKESPEARE, 00144 ROMF, ITALY.

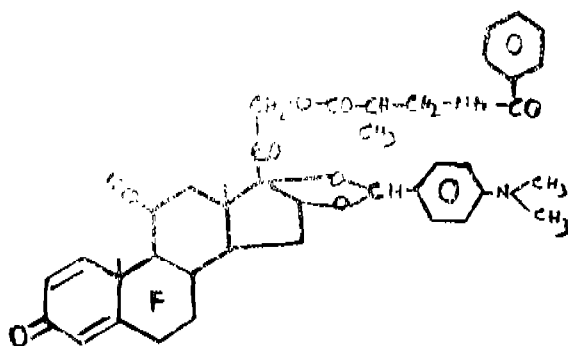
Inventor : DR. ENRICO DIAMANTI.

Application No. 673/Cal/78 filed June 17, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

Process for the preparation of a derivative of triamcinolone having the formula shown in the accompanying drawings,



which comprises (a) reacting triamcinolone with p-dimethylaminobenzaldehyde in order to form an acetal on the 16 α and 17 α positions of triamcinolone, and (b) esterifying the resulting product with a chloride, imidazolid or mixed anhydride of β -benzoylaminoisobutyric acid.

Comp. Specn. 6 Pages.

Drg. 1 Sheet.

CLASS 55E,

148708.

Int. Cl.-A61j 3/00.

A PROCESS FOR MAKING PALATABLE PREPARATIONS OF PLANTAGO OVATA SEED HUSK.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA.

Inventors : SATYAWAN SINGH, RANESH CHANDRA HANDI, JAGAT PAL SINGH SARIN AND NANDOO-MAL KHANNA.

Application No. 485/Del/78 filed June 28, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims. No drawings.

Process for the making of palatable preparation of *Plantago ovata* seed husk comprising treating the purified husk with an aqueous solution of alcohol, or sucrose or gum accacia, drying the same to obtain crispy solid mass and granulating the solid mass in admixture with desired edible flavouring and effervescent agents and the granules are further coated with 2.0% of shellac solution in alcohol in a pan followed by a coating of gelatine, sugar, starch and other desired colouring and flavouring agents.

Comp. Specn. 6 Pages.

Drgs. Nil.

CLASS 128A.

148709.

Int. Cl.-A61j 13/04.

A WATER RESISTANT ORTHOPEDIC BANDAGE.

Applicant : JOHNSON & JOHNSON, OF 501, GEORGE STREET, NEW BRUNSWICK, NEW JERSEY, U.S.A.

Inventor : WINIFFRED DABRO SKI.

Application No. 1143/Cal/78 filed October 21, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

A water resistant orthopedic bandage which comprises a hardenable plaster of Paris composition, including a reactive silicone polymer as herein described supported on a known flexible carrier wherein the said plaster of Paris ranges from 100 to 600 grams per square yard of carrier and said reactive silicone ranges from 0.5 to 10 parts per hundred parts plaster of Paris.

Comp. Specn. 19 Pages.

Drg. 1 Sheet.

PATENTS SEALED

144121 144425 145327 146841 146850 146955 147009 147034
147068 147069 147159 147162 147163 147202 147255 147260
147432 147494 147560 147579.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The Claim made by Chloride Batterijen B. V., under Section 20(1) of the Patents Act, 1970, to proceed the application for Patent No. 141140 in their name has been allowed.

COMMERCIAL WORKING OF PATENTED INVENTION/MECHANICAL & GENERAL LIST NO. 6

The following Patents in the field of mechanical and General Engg. are not being commercially worked in India as admitted by the Patentees in the statement filed by them under Section 146(2) of Patents Act, 1970 in respect of the Calander Year 1979, generally on account of want of request for licences to work the patented inventions.

Persons who are interested to work the said patents commercially may contact the patentees for the grant of a licence for the purpose.

S. No.	Patent No.	Date of Patent	Name and address of the party	Title
1	2	3	4	5
1.	140993	13-08-1974	PARKS CRAMER COMPANY, P. B. 444, Fitchburg, Massachusetts, USA.	Travelling tending apparatus for textile machines such as spinning frame.
2.	140996	26-9-1974	G. D. SOCIETA PER AZIONI, VIA Pomponia 10, Bologna, Italy.	Separating sheets from piles, particularly card boards, blanks or similar to be fed individually to machines for packing cigarettes in packets of the hings lid type.

3.	141005	20-09-1975	KRISHNA R. DATYA, Flat No. 10, Amit Building, Behind Dena Bank, Nehru Road, Ville Parle (East), Bombay, India.	Method of drilling holes in soil and rock and a system for carrying out the method.
4.	141027	26-07-1975	JOSEF KRINGS, D-5138, Heinsberg Oberbruch, Hans Bockler Strasse. 23. FRG.	Cubbing plate for securing conduit trenches or the like.
5.	141037	01-11-1973	PETER ZIMMER, UNTERE Sparchem, 54, 6330, Kufstein, Austria.	A device for supporting and holding a rotary screen.
6.	141038	01-11-1973	Do.	Screen holder for rotary screen.
7.	141039	01-11-1973	Do.	Do.
8.	141053	13-02-1975	GIRLING LIMITED, King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Disc brakes for rail vehicles.
9.	141064	04-06-1974	PANDROL LIMITED, 7 Rolls Buildings, Fetter Lane, London EC 4, 1 JB, England.	A railway rail-fastening member and a railway rail and fastening assembly employing it.
10.	141087	13-03-1974	THE CROSS COMPANY, Fourteen Mile Road, Fraser, Michigan, USA.	A tool adjusting system for a machine having a tool for machining a surface of a plurality of work pieces to a predetermined nominal dimensions.
11.	141097	14-04-1976	NAMBAMUDI SINNIATH VELLASITHAN SINNIATH, Velanipatty, Kattampoor, P. O. Ramnad District, T. N. India.	A rotary pump.
12.	141106	15-03-1974	GIRLING LIMITED, Birmingham, England.	Disc. brakes for vehicles.
13.	141108	29-04-1974	SCAPPA PORRITT LIMITED, Cartwell Road, Blackburn, Lancashire, England.	Paper makers wet felts.
14.	141150	04-012-1974	HINDUSTAN LEVER LIMITED, Hindustan Lever Nouse, 165/166, Backbay Reclamation Bombay, India.	Pumps for dispensing liquids.
15.	141172	09-04-1975	GIRLING LIMITED, Birmingham, England.	Tendam master cylinders for hydraulic braking system.
16.	141187	30-10-1976	K. R. DATYE, Nehru Road, Ville Parle, Bombay, India.	Method of strengthening natural soft ground artificial fills made in the ground in reclaimed land and the like for building houses or other structures.
17.	141205	14-03-1974	PLATT INTERNATIONAL LIMITED, Hoknbe Road, Helmschore, Rossendale, Lancashire, England.	Chain or belt tensioning arrangement for variable speed gear.
18.	141207	23-02-1974	DAVIS & METCALFE LIMITED, Injector Works Romiley N. R. Stoeport, Cheshire, England.	Spring brake unit.
19.	141219	10-11-1975	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Heat exchanger for cooling hot gases.
20.	141237	2-1-1975	DANA CORPORATION, 4500 Dorr Street, Toledo, State of Ohio, USA.	Constructing motor vehicle axles.
21.	141289	17-5-1974	Gypsum RESEARCH S. A. 22, rue de la Corrairie, Geneva, Switzerland.	Producing fibre containing building members.
22.	141290	27-8-1974	EMHART INDUSTRIES INC. 426 Colt Highway, Farmington, Connecticut, United States of America.	Magnetic drive for conveyor.
23.	141302	19-5-1973	KAMYR INC., Glens falls, New York, U.S.A.	Apparatus for cellulose digesting.
24.	141308	10-7-1974	MARRYAT FINANCE LTD. 40/42 Hatton Garden, London, Grossbritannien, England.	Conveyor belt system.
25.	141313	3-7-1975	GOODYEAR TIRE AND RUBBER COMPANY, 1144, East Market Street, Akron, Ohio, U. S. A.	Retreading of tire.
26.	141318	22-2-1974	INDUSTRIE PIRELLI SOCIETE PER AZONI, Centro pirelli, Piazza Duca D' Aosta Naz, Milan, Italy.	Pneumatic tire.

1	2	3	4	5
27.	141319	12-3-1974	DAVIS & METCALFE LIMITED, Injector works, Romiley, NR. Stockport, Cheshire, England.	Air brake distributors for use in railway locomotives and rolling stock.
28.	141321	31-8-1974	KENTREDDER LIMITED, Longueville, St. Saviour, Jersey, British Channel Island.	Treading tyres.
29.	141339	13-2-1974	RUTI MACHINERY WORKS LTD. 8630 Ruti, Zurich, Switzerland.	Shedding motions for a loom.
30.	141349	8-2-1974	AMERICAN CYNAMID acompany, Wayne, New Jersey, U. S. A.	Process for melt spinning shaped articles.
31.	141351	18-2-1974	BRITISH ELECTRIC & PUMPS RT LTD. 4 B. B. D. Bag (East), Calcutta-1, West Bengal India.	Self Priming multistage horizontal pumps.
32.	141359	21-5-1975	RUTI TE STRAKE B. V., Industrieweg 7, Denren, The Netherlands.	Weft thread inserting nozzle.
33.	141370	22-5-1975	PERSONNAL PRODUCTS INC, Milltown, New Jersey, U. S. A.	An absorbent catamenial dressings.
34.	141372	26-7-1975	JOSEF KRINGS, D-5138, Heinsberg, Oberbranch, Hansbockler Strasse, 23, FRG.	Lining apparatus for the protection of frenches for utilities like pipes and cables.
35.	141380	18-4-1974	PULLMAN INCORPORATED, 200 SOUTH Michigan Avenue, Chicago, Illinois, U.S.A.	Welding jig.
36.	141383	8-8-1974	LICENTIA PATENT VERWALTUNGSC GmbH, The odo-stern-kai, 6, Frankfurt-70 FRG.	Production of tubes or cable sheaths of metal by extrusion.
37.	141387	6-8-1975	AMERICAN CAN COMPANY, American Lane, Greenwich, Connecticut, USA.	Curled container bodies, method of curing closures thereto.
38.	141428	2-7-1975	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. U. The Hague, The Netherlands.	Feeding appratus of finely divided solid fuel to a high pressure gasification chamber.
39.	141469	22-8-1974	USS ENGINEERS & CONSULTANTS INC, 600 Grant Street, Pittsburgh, Pennsylvania, U. S. A.	Horizontal roll-rack for continuous casting.
40.	141478	23-5-1975	PALITEX PROJECT COMPANY GmbH, Weeserweg, 8, 415 Krefeld, West Germany.	Attachment to a textile machine for positioning or receiving a thread end and its transport along predetermined path.
41.	141514	8-2-1974	GEWERKSCHAFT EISENHOTTE WEST-FALIA, 4628 Wethwar, Bei Hunen, West Falia, FRG.	Scrapper cahin conveyors.
42.	141545	2-6-1975	EMHART INDUSTRIES INC. Farmington, Connecticut, U. S. A.	Neckring Cartridge for glassware machine.
43.	141565	11-3-1974	POPULATION RESEARCH INCORPORATED, 7875 Beech Street, N. E. Minneapolis, Minnesofa, U. S. A.	Instrument for dispensing a material into the fallopan tubes of female body.
44.	141641	12-6-1974	GREAT LAKES CARBON CORPORATION, 299 Park Avenue, New York, U. S. A.	Apparatus for cooling and deducting hot particulate material.
45.	141655	21-12-1973	FRIED KRUPP GmbH Alternders fer-strasce 103, D-43, Essen, FRG.	Hinged and fost support for bridge.
46.	141689	15-2-1974	MOBILE OIL CORPORATION, 150 East 42nd street, New York, N. Y. U. S. A.	Logging while drilling system for controlling that data rate of downhole accoustic transmitter.
47.	141694	27-5-1974	1. SNAMPROGETTI S. P. A. 16 Corso Venezia, Milan, Italy. 2. SATIPEM S. P. A. 16, Corso Venezia, Milan, Italy.	Examining apparatus for submerged pipelines.
48.	141697	29-7-1974	SCAPA PORRIT LIMITED, Cartwell Road, Blackburn, Lancashire, England.	Papermaker's felt.
49.	141713	19-1-1976	PREROVSKE STROJIRNY N. P., Prerov, Czechoslovakia.	Cooling granulous material by a gaseous counter current heat exchange medium.

1	2	3	4	5
50.	141664	20-3-1974	CROFTSHAW (ENGINEERS) LIMITED, Action works, Bull Lane, Long Melford, Suffolk, England.	Multibed absorbers.
51.	141797	9-4-1974	ELKEM SPIGERVERKET A/s. Middle thuns- gate 27, P. B. 5430, Oslo 3, Norway.	Scrapping members for a pelletizing or pan disc.
52.	141800	29-5-1974	G. Z. SOCIETA PER AZIONI, Bologna, Italy.	Folding and Longitudinally superposing device in the form of bellows a con- tinuous strip of material.
53.	141804	17-11-1976	F. RACER & CO., 57 Rodha Bazar Street, Calcutta, West Bengal, India.	Kerosene Oil Stove of the wick type.
54.	141805	17-11-1976	-Do-	Wick for use in Kerosene Oil stoves, Lan- terns, and burners.
55.	141807	16-8-1974	COUNCIL OF SCIENTIFIC AND INDUST- RIAL RESEARCH, Rafi Marg, New Delhi, India.	Hydro-Pneumatic prop.
56.	141815	25-1-1975	THOMAS JOHN KARASS, 411 Kindersley Avenue Town of Mt. Royal, Quebec, Canada.	Webless high-strength packaging strap- ping.
57.	141840	24-6-1974	N. P. KINARIWALA PVT. LTD 148 Mukti Maidan Maninagar, Ahmedabad, Gujarat, India.	Moulded 100 m shuttle.
58.	141878	8-11-1973	WABCO WESTINGHOUSE, Sevran, France	Fluid Pressure operated load compen- sating relay.
59.	141879	31-5-1974	G. D. SOCIETA PER AZIONI, Bologna Italy.	Transmission System for high speed cigarette packing machines.
60.	141918	21-9-1974	VEB POLYGRAPH LEIPZIG KOMBINAT FOR POLYGRAPHISCHE MASCHINEN AND ANGRUSTUNGEN, 705, Leipzig, Zweieanuderstrasse-59, GDR.	Combined inking and damping device for offset printing machines.
61.	141920	29-10-1974	JOHNSON & JOHNSON, 501, George Street New Brunswick, New Jersey, U. S. A.	Antifog surgical face mask with slits.
62.	141923	19-9-1975	GUSTAV SCHADE MASCHINENFABRIK GmbH & Co., D-4600, Dortmund Am, Rosenplatz/Her 120, FRG.	Extracting bulk material from dumps.
63.	141978	4-11-1974	EMHART INDUSTRIES INC., Farmington, Connecticut, U. S. A.	Individual section high speed forming machanism for making glassware.
64.	141989	11-3-1975	SVENSKA AKTIEBOLAGET BROMSRG- GULATOR, Nora Valingoton, 54, Malmo Sweden.	Fluid pressure actuated brake unit.
65.	142007	22-1-1974	GREER HYDRAULICS INC. 5930 West Jefferson Boulevard, Los Angles 16, Cali- fornia, U. S. A.	Pressure vessels of the type having rigid container with deformable bladder.
66.	142009	31-5-1974	EMHART INDUSTRIES INC. Farmington, Connecticut, U. S. A.	Hollow glassware forming machine.
67.	142071	20-3-1975	1. EDWARD CARL DUWE, 3340 Highland shores, Oshkosh Wisconsin, U. S. A. 2. WILLIAM EDWARD DUWE 1203 Washington Avenue, Oshkash, Wisconsin, U.S.A.	Modular mousoleum crypt system.
68.	142085	2-4-1975	NATIONAL CARRENTAL SYSTEM INC. 5501 Green Valley Drive, Minnea- polis, Minnesota, U. S. A.	Dredging head.
69.	142087	22-5-1975	GIRLING LIMITED, Birmingham, England.	Master cylinder assembly for a vehicle hydraulic brake system.

1	2	7	4	5
70.	142113	24-4-1974	DR. C. OTTO & COMPAY GmbH Christstrasse 9, Postfach 1849/1850, 463, Bochum, West Germany.	Blast preheater.
71.	142120	22-7-1975	ALBERT OBRIST AG., Romerstrasse-83, Reinach, Switzerland.	Container closures.
72.	142123	6-8-1973	COMALCO (J&C) PTY. LIMITED, 95 Collins Street Melbourne, State of Victoria, Common Wealth of Australia.	Metal expanding machine.
73.	142132	7-2-1975	FEDERAL MOGUL CORPORATION, Northwestern Highway, Southfield, Michigan, U. S. A.	Making rectionalised precision components.
74.	142147	25-7-1975	JOSEF KRINGS, D-5138, Heinsberg, Oberbrunch, Hans Bocklerstrasse, FRG.	Sheeting arrangement for canals and like purposes.
75.	142166	25-7-1975	-do-	Sheeting arrangement for shoring trenches.
76.	142198	7-5-1976	ORTHO PHARMACEUTICAL INC. Raritan, New Jersey, U. S. A.	Dilator for cervical.
77.	142201	24-10-1973	WESTINGHOUSE ELECTRIC CORPORATION, Westinghouse Building, Gateway Pittsburgh, Pennsylvania, U. S. A.	Controlling system for operation of steam turbine.
78.	142205	7-8-1974	GLOBE UNION INC. 5757, North Bay Avenue, Milwaukee, Wisconsin, U. S. A.	Porous ceramic battery vent.
79.	142213	18-4-1974	GUSTAV SCHADE MASCHINENFABRIK GmbH & Co. Rosenplatzchen-120, D-46, Dortmund, FRG.	Removal of material with a pivotedgib from a bulk storage dump.
80.	142227	17-9-1975	GIRLIND LIMITED, Birmingham, England	Pressure differential working actuators for use in dual hydraulic braking system for vehicles.
81.	142234	11-6-1974	G. D. SOCIETA PER AZIONI, Bologna, Italy.	Continuously producing cuttings from a reel of web wrapping materials.
82.	142237	23-8-1974	JOHNSON & JOHNSON, 501, George Street, New Brunswick, New Jersey, USA.	Surgical drape for use on an operation table.
83.	142244	15-4-1975	KNORR BREMSE GmbH 80, Mooscher strasse & Munich, 40, FRG.	Control valve for pressure air braker for rail Vehicles.
84.	142263	2-4-1975	(1) ERMANINO SAVIO (2) SERGIO CALAMN; (3) ENGEND TURRI OF (1) Via Garofelo 22, Milan, (2) Via settima 27, Segrate San Felice Milan, (3) Benedetto, Merello, Milan-Italy.	Storing and feeding yarn to yarn using machines.
85.	142282	20-6-1974	SCHLOEMANN—SIEMAG AKT., Dusseldorf, FRG.	A fluid actuated press with prestressed frame.
86.	142283	27-11-1974	SPIRAX-SARCO LIMITED, Charlton House, Cheltenham, Gloucestershire, England.	Adjustment effected by rotary motion such as in air line, pressure regulator.
87.	142305	4-11-1974	THE ENGLISH CARD CLOTHING COMPANY LTD, Acre Street, Lindley, Hyddersfield, Yorkshire, England.	Manufacture of arcuate card-clothed element.
88.	142331	3-10-1975	BRITISH STEEL CORPORATION, 33 Grosvenor place, London, England.	Non destructive testing apparatus.
89.	142333	02-01-1976	EMHART INDUSTRIES, INC., Connecticut, U. S. A.	Glassware forming machine of I. S. type for upright press and blow process.
90.	142338	07-02-1974	CROFTSHAW (ENGINEERS) LIMITED, Suffolk, England.	Material flowrate monitoring system.
91.	142340	27-07-1974	SOCIETE DETUDES DE MACHINES THERMIQUES, 2 Quaide Seine, Saint Denis, France.	Method of preheating intake air of a super charged low compression ratio Diesel Engines.
92.	142345	18-09-1974	IRLIND LIMITED, Birmingham, England.	Brake pressure control valves.
93.	142346	26-09-1974	G. D. SOCIETA PER AZONI, Bologna, Italy.	High speed cigarette packing machine.

1	2	3	4	5
94.	142347	30-09-1974	E. KOPPELMAN, 423 Borgamodrive, Eucino California, U.S.A.	Seasoning of wood.
95.	142355	18-03-1975	PALITEX PROJECT COMPANY GmbH, Weeserveg 8, 315 Krefeld, West Germany.	Thread brake for double twisting spindle.
96.	142365	11-03-1975	WILHELM HEGLER, Goethestrasse 2, 873 Bad Kissinger, FRG.	Extruder for making outer carrier.
97.	142366	11-3-1975	-do-	Extrusion for the production of double walled plastic tubes.
98.	142385	15-10-1975	JOHNSON AND JOHNSON, 501, George Street, New Brunswick, New Jersey, U. S. A.	A surgical face Mask.
99.	142419	08-07-1974	SUN OIL COMPANY, 1608 Walnut Street, Philadelphia, Pennsylvania, U. S. A.	An acoustic telemetering system.
100.	142435	19-06-1974	G. D. SOCIETA PER AZIONI, Bologna, Italy.	Continuously producing embossed cuttings from a reel of web materials and for continuously delivering successive cuttings to wrapping machines.
101.	142451	26-07-1975	JOSEF KRINGS, Heinsberg, Aberbruch, FRG.	Guiding head for a bracing struct of a french revetment device.
102.	142470	23-04-1975	VEREINIGTE OSTERREICHISCHE EISEN-UND-STAHLWERKS ALPINE MONTAN AKTIENGESELLSCHAFT, 1011, VIENNA, Friedrichstrasse 4, Austria.	Tilttable converter.
103.	142479	16-11-1976	COMBUSTION ENGINEERING INC. 1000 Prospect Hill Road, Windson, Connecticut, U. S. A.	Gas cleaning system for combustion gasses produced by burning coal such as in pulverised coal fired steam generators.
104.	142480	10-06-1974	IMPERIAL CHEMICAL INDUSTRIES Limited, Imperial Chemical House,	Water resistant fuse-cord.
105.	142484	26-09-1974	G. D. SOCIETA PER AZIONI, Bologna, Italy.	Improved wrapping machine for sweets and similar on which the individual products are wrapped in what is known as the 'Soap' or 'Deaward Style'.
106.	142488	10-03-1975	VEREINIGTE OSTERRICHISCHE EISEN UND-STAHLWERKE ALPINE MONTAN Ag., Vienna, Werksgenande, Linz, Austria.	Purifying a stream of mechanically comminuted material.
107.	142558	18-04-1974	SPIROLL CORPORATION LTD. 385 Dawson Road, Winnipeg, Manitoba, Canada.	Pile extrudes.
108.	142565	21-10-1975	JOSEF KRINGS, Heinsberg, FRG.	Sheeting plate for trench sheeting.
109.	142585	25-06-1975	GIRLING LIMITED, Birmingham, England.	Shoe-drum brakes.
110.	142622	07-04-1976	SIEMENS AG., Berlin & Munich, West Germany.	Process and apparatus for surface grinding a work-piece.
111.	142646	26-09-1974	G. D. SOCIETA PER AZIONI, Bologna, Italy.	Device for unidirectionally positioning products particularly oblong products such as chocolates and similar being fed to the wrapping machines.
112.	142648	20-01-1976	1. WILHELM EIRICH, Hardherim Bahnstr., 19 and 2. GUSTAV EIRICH, Hardheim, Walldurnerstr, FRG.	Pulverising apparatus with a toothed disc.
113.	142656	26-02-1975	PARKE, DAVUS & COMPANY, Detroit, Michigan, U. S. A.	Printing capsule parts.
114.	142669	04-11-1974	H. S. GANDHI & K. S. GANDHI, 17 Camac Street, Calcutta-17, West Bengal,	A variable speed control device.
115.	142679	19-07-1975	WIEGAND KARLSRUHE GmbH, Einsteinstrasse 9-15, Ettlingen 7505, FRG.	Gas scrubbing apparatus.
116.	142703	01-09-1975	ABEX CORPORATION, 530 Fifth Avenue, New York, N. Y. 10036, USA.	Control system for a variable displacement pump.

1	2	3	4	5
117.	142704	03-01-1976	C. S. I. R. Rafi Marg, New Delhi, India.	Device for cold starting of I. C. Engines.
118.	142707	20-08-1974	SOCIETE D'ETUDES DE MACHINES THERMIQUES 2, Quai de Seine, Saint Denis, France.	Safety control device for limiting the temperature of a fluid to a given upper valve.
119.	142712	03-09-1975	UNITED TECHNOLOGIES CORPORATION, Hartford, Connecticut, U. S. A.	Combustion chamber having a least one staged premixing tube for directing a mixed fuel air flow into a combustion zone.
120.	142715	04-02-1976	THE PARKER PEN COMPANY, 219 East Court Street, Janesville, Wisconsin, U. S. A.	A nib assembly for a writing pen and a pen incorporating the nib assembly.

COMMERCIAL WORKING OF PATENTED INVENTION

CHEMICAL INDUSTRY LIST NO. X

The following Patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the Statement filed by them under Section 146(2) of Patents Act, 1970 in respect of the calendar year 1979, generally on account of want of requests for licences to work the patented invention.

Persons who are interested to work the said patents commercially may contact the patentees for the grant of a licence for the purpose.

Sl. No.	Patent No.	Dat of Patent	Name and address of the party	Title
1.	141224	24-4-1974	DR. C. OTTO & COMPANY, GmbH Bochum, West Germany.	Process for quenching of hot coke discharged from a cooking oven.
2.	141877	25-08-1975	VIKRAM SARABHAI SPACE CENTRE, ISRO R. O. Trivandrum 22, Kerala.	Manufacture of silicon based putties.
3.	141886	06-03-1974	NORSK HYDRO A.S., Bygdo Allez, Oslo 2, Norway.	Converting a liquid in the form of a melt or concentrated warmer hot solution into a mass or body of solidified independent prills.
4.	141896	08-08-1974	METALLGESELLSCHAFT A. G., 16, Frankfurt A. M. Renterweg 14, West Germany.	Drying particulate minerals for agglomeration.
5.	141911	20-06-1975	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi.	Water activated single slot battery of reserve type using bromates as depolariser with magnesium aluminium and zinc as anodes.
6.	141915	09-05-1974	HOECHST AG. 6230, Frankfurt/Main 80, FRG.	Preparing 5-Oxo carboxylic acid esters.
7.	141919	06-10-1975	NUCHEM PLASTICS LTD., 20/6 Mileston, Mathura Road, Faridabad, Haryana, India.	Manufacture of urea formaldehyde resins.
8.	141940	18-02-1975	LIBBEY-OWENS-FORD COMPANY, 811, Madison Avenue, Toledo, Ohio, USA.	Heat Treating glass sheets.
9.	141941	08-08-1975	C.S.I.R., Rafi Marg, New Delhi.	Synthesis of antifilarial-1-Substituted-4-Carbamoylpiperazine.
10.	141956	04-04-1974	Do.	Continuously feeding aluminium wire contained in a spool to a heated Tungsten strip.
11.	141970	02-12-1974	AGROTECHNIKA N.P. Zvolen, Czechoslovakia.	Reactor for biological water treatment.
12.	141977	05-06-1974	C.S.I.R. Rafi Marg, New Delhi.	Strengthening soil by Wick/rope made of water permeable material.
13.	141981	28-04-1975	TOYAMA CHEMICAL CO. LTD, 1-18, Kayabacho, Nihonbashi, Chuo-ku, Tokyo, Japan.	Producing novel penicillins and cephalosporins.

1	2	3	4	5
14.	141982	17-09-1975	PFIZER INC., 235 East 42nd Street, New York, State of New York, U.S.A.	Preparing carboxamides of oxo-1, 2 benzothiazine 1-1, dioxides.
15.	141990	30-04-1975	MITSU, TOATSU CHEMICALS INC., 2-5, 3-chome, Kasumigaseke Chiyoda-ku, Tokyo, Japan.	Colouring textiles and like materials with assymetric thio-indigoid compounds.
16.	141999	03-09-1974	C.S.I.R., Rafi Marg, New Delhi.	Synthesis of substituted 3/nitro 4/aminobenzanilides.
17.	142000	07-12-1973	SEKISUI KASEIHIN KOGYO K. K. No. 1-25, Minamikyobate-cho, Nara-shi, Nara, Japan.	Producing receptacles from thermoplastic resin foam sheet.
18.	142032	11-02-1974	C.S.I.R., Rafi Marg, New Delhi.	Production of hot reducing gases for the reduction of oxide ores, such as iron ore into sponge iron.
19.	142033	14-08-1975	HARYANA AGRICULTURAL UNIVERSITY, Hissar, Haryana, India.	Preparation of insecticidal compositions.
20.	142034	18-08-1975	Do.	Do.
21.	142035	21-08-1975	NUCHEM PLASTICS LTD. 54, Industrial Area, Faridabad, Haryana, India.	Producing white urea formaldehyde or melamine formaldehyde moulding powders.
22.	142042	08-08-1972	C.S.I.R. Rafi Marg, New Delhi.	Preparation of Pharmaceutical grade polyose from tamarindus indica seeds.
23.	142050	18-07-1974	SIMON-HARTLEY LIMITED, Etrusia works, Stock on trent staff ordstere, England.	Method of filtering a liquid.
24.	142068	29-05-1974	CHEMIE LINZ AKTIENGESSELLSCHAFT, St. Peter Stresse 25, 4020 Linz, Austria.	Process for the performance of high pressure synthesis.
25.	142075	25-02-1976	IHARA CHEMICAL KOGYO KABU-SHIKI KAISHA, No. 1 Kyobashi; 2-Chome, Chuko-ku, Tokyo-To, Japan, and now KUMIAL KAGAKU KOGYO, building, 4-26, Ikenohata 1-chome Taitoku Tokyo-Ro-Japan.	Preparation of O, O-dialkyl-S-benzyl thiophosphates.
26.	142077	14-12-1976	KUREHA KAGAKO KOGYO KABU-SHIKIKAI, 8, Hridome-cho, 1-chome, Nihonbashi Chyo-ku, Tokyo, Japan.	Preparation of anti-tumorigenic substances.
27.	142086	21-04-1975	AGROTECHNIKA N. P., Zvolen, Czechoslovakia.	Reactor for purification of water by fluid filtration.
28.	142102	02-08-1975	CIBA-GEIGY OF INDIA LIMITED, Aarey Road, Geregaon (East), Bombay-63.	Preparation of azacycloalkane compounds.
29.	142105	25-07-1974	DAVID JOHN MILLIN, Bramblings, South Stoke Road, Woodcote, Reading Berkshire, England.	Manufacture of tea.
30.	142111	29-03-1974	ELKEM-SPIIGERVERKET A/S. Middelthunsgate 27, P.O.Box, 5430, OS/O 3, Norway.	Producing burned pellets from a chromium ore or concentrate in shaft furnace and the pellets produced thereby.
31.	142154	04-01-1974	THE TRIVENI ENGG. WORKS LTD. Jeevan Tara Bldg., Gate No. 4, 1st floor, 5 Parliament street, New Delhi.	Clarification of cane juices in the manufacture of plantation sugar using the double sulphitation process.
32.	142159	14-08-1974	SIEMENS AG, Berlin & Munich, West Germany.	Gross linkable composition.
33.	142161	20-11-1974	METALLGESELLSCHAFT AG, 16, Frankfurt Am Reuterweg 14, West Germany.	Producing methanol.
34.	142167	03-10-1975	AMERICAN CYNAMID CO., Wayne, New Jersey, U.S.A.	Manufacture of 1, 2-dimethyl-3, 5-diphenyl pyrazolium methyl sulphate.
35.	142176	10-01-1975	FISONS LIMITED, Fison House, 9, Grosvenor Street, London. England.	Producing ammonium phosphates.
36.	142178	24-03-1975	ISHIHARA SANGYO KAISHA LTD. 11-1 Edobori Kamidosi-1-chome, Nish-ku Osaka, Japan.	Producing titanium tetrachloride.

1	2	3	4	5
37.	142190	29-01-1975	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIK B. V. Carel van By- landlaan 30, The Hague, The Nether- lands.	Preparation of gas containing hydrogen and carbon monoxide.
38.	142191	17-05-1975	LABORATORIES ANDRE GUERBED, 16, Vue Jean-Chaptal, 93601 Aulnay- Sous-Bois, France.	New iodo-benzene derivatives.
39.	142203	15-04-1974	UOP INC., Ten Uop Plaze-Algonquin & mt., Prospect Roads, Des Plaines. Fili- nois, U.S.A.	Catalytic hydrodesulfurization of an asphaltene-containing hydrocarbon- aceous charge stock.
40.	142219	04-12-1975	IMPERIAL CHEMICAL INDUSTRIES LTD. Imperial Chemical House, Millbank, London. England.	Manufacture of 2-chloro-1, 2-Trifluo- roethyl difluoro-methyl ether.
41.	142223	09-05-1974	INCO EUROPE LTD. (Formerly known as INTERNATIONAL NICKEL LIMITED, Thames House, Millbank, London, SW1P, 4QF. England.	Process for preparing an alloy.
42.	142236	22-08-1974	MITSUBISHI RAYON CO. LTD., No. 3-19, Kyobashi 2-Chome, Chou-ku, Tokyo, Japan.	Impact resistant thermoplastic graft copolymer.
43.	142238	23-08-1974	JOHNSON & JOHNSON, 501 George Street, New Brunswick, New Jersey. USA.	Self adhesive surgical drape.
44.	142240	07-10-1974	THE BOARD OF THE RUBBER RE- SEARCH INSTITUTE OF MALAYSIA, 260, Jalan Ampang, P. O. Box 150, Kuala Lumpur, Malaysia.	Treatment of rubber.
45.	142252	22-07-1975	GENERAL ELECTRIC COMPANY, 1- Rirer Road, Schenectady, New York, USA.	Producing oriented silicon Iron sheet material with Boron addition.
46.	142254	10-10-1975	AMERICAN HOME PRODUCTS COR- PORATION, 685, Third Avenue, New York, 10017, U.S.A.	Production of novel decapeptides.
47.	142264	27-04-1976	FIBERGLASS LTD., Prescot Road, St. Helens, Lancashire, England.	Production of glass fibres.
48.	142275	22-09-1975	NUCHEM PLASTICS LTD., 20/6 Mile Stone, Mathura Road, Faridabad, Har- yana, India.	Manufacture of urea from aldehyde resins.
49.	142276	12-11-1974	NIPPON SODA CO. LTD., 2-1, Otemachi, 2-chome, Chiyoda-ku, Tokyo, Japan.	Production of calcium hypochlorite.
50.	142289	10-04-1974	SUN OIL COMPANY, 1608 Walnut Street, Philadelphia, Pennsylvania, USA.	Reducing the concentration of dissolved bi-product alkali metal or ammonium thio-sulphate or sulfate salts in aque- ous H ₂ S removal system.
51.	142291	04-06-1974	THE BOARD OF THE RUBBER RE- SEARCH INSTITUTE OF MALAYSIA, 260, Jalan Ampang Road, Kuala-Lumpur, Malaysia.	Treatment of Natural rubber.
52.	142292	10-06-1974	MOBIL OIL CORPORATION, 150, East 42nd Street, New York, New York-10017, U.S.A.	Isomerizing aromatic compounds like xylenes.
53.	142295	24-07-1974	HOECHST AG., 6230, Frankfurt/Main 80, FRG.	Preparing reactive xanthene dyestuffs.
54.	142296	24-07-1974	Do.	Reactive xanthene dyestuffs.
55.	142302	23-09-1974	IMPERIAL CHEMICAL INDUSTRIES LTD., Imperial Chemical House, Mill- bank, London, England.	Electrolytic Cells used in manufacture of chlorine from brine.
56.	142307	08-10-1975	NUCHEM PLASTICS LTD., Mathura Road, Faridabad, Haryana, India.	Concentration of urea formaldehyde resins.
57.	142311	08-11-1974	HOECHST AG., 6230 Frankfurt 1/2 Main 80, FRG.	Dyeing synthetic fibrous material.

1	2	3	4	5
58.	142314	29-01-1975	C.S.I.R., Rafi Marg, New Delhi.	Electrolytic reduction of 2, 4-dinitrotoluene to 2, 4 diamino toluene.
59.	142322	26-08-1975	CHINOIN GYOGYSZER ESVEGUES-ZETI TERMEKER GYARA ET., To Utea 1-5, Budapest-II Hungary.	New reactive penicillanic acid and cephalosporinic acid derivatives.
60.	142326	05-12-1974	THE LUBRIZON CORPORATION, Bon-17-100 Eudid Station, Cleveland, Ohio, U.S.A.	Preparing phosphorus nitrogen and Sulfo-containing lubricant additives.
61.	142330	19-06-1975	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., Carel Van Byland Haan 30, The Hague, The Netherlands.	Gasification of Oil.
62.	142348	08-01-1976	C S I R Rafi Marg, New Delhi.	Extraction of gallium from sodium aluminate liquors (bayer Liquor) obtainable from a alumina Producing Plant.
63.	142358	25-08-1975	MOMOFUKU ANDO, 7-34 Marumicho Ikedo, Osaka, Japan	Instant cooking rice.
64.	142360	30-09-1975	IMPERIAL CHEMICAL INDUSTRIES LIMITED, Imperial Chemical House, Millbank, London, England.	Treatment of biologically degradable material.
65.	142370	16-07-1974	THE GOODYEAR TIRE & RUBBER CO, 1144, East Market Street, Akron, Ohio, U.S.A.	Preparing polyurethane shock absorbing unit suitable for use in railroad draft gear.
66.	142380	31-03-1976	IMPERIAL CHEMICAL INDUSTRIES LTD, Imperial Chemical House, Millbank, London, England.	Solid-liquid separation method.
67.	142383	18-06-1976	METALLIGESSELLSCHAFT AG, 16 Frankfurt Am, Reuterweg 14, West Germany	Feeder for a reactor for the pressure gasification of coal.
68.	142396	27-08-1974	CINCINNATI MILACRON CHEMICALS, INC. Reading, State of Ohio, USA	Producing stabilized halogen containing polymers.
69.	142415	04-12-1974	HINDUSTAN LEVER LIMITED, Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-400020.	Preparing hard butter.
70.	142418	25-06-1974	PFIZER INC., 235 East 42nd Street, New York, State of New York, U.S.A.	Producing gas free from gaseous acidic impurities by removing the acidic impurities contained therein.
71.	142433	10-12-1976	E. KOPPELMAN, 4424 Bergamo Drive Eucino, California, USA.	Upgrading lignitic-type coal as fuel.
72.	142436	31-03-1975	SOLVAY & CIE, 33 Vue du Prince Albert, B-1050, Brussels, Belgium.	Manufacture of salts of organic or inorganic bases and polyalpha hydroxyacrylic acids.
73.	142437	27-05-1975	DEGUSSA, 9, Weis Franenstasse, Frankfurt (Main) FRG.	Procedure for manufacturing 3-6-bis-(2-methyl mercapto ethyl) 2-5, piperidin dione.
74.	142439	23-10-1975	MITSUI TOATSU CHEMICALS INC., No. 2-5 Kasumigasaki-3, Chome, Chiyoda-Ku, Tokyo, Japan.	Recovering ammonia and carbon dioxide from water vapour generated in concentrating an aqueous urea solution.
75.	142454	22-04-1977	UNION CARBIDE INDIA LIMITED, 1, Middleton street, Calcutta-700071, West Bengal, India.	Production of activated manganese dioxide.
76.	142466	13-08-1974	SOLVAY & CEE, 33, Vue du prince Albert B-1050, Brussels, Belgium.	Low pressure polymerization of olefins in the presence of solid catalytic complexes.
77.	142467	24-09-1974	SUN VENTURES INC., 100 Matsonford Road, Rodner, Pennsylvania-19037, USA.	Catalytic ammoxidation process.
78.	142468	24-09-1974	Do.	Ammoxidation process for the preparation of nitriles from m-and p-xylene.
79.	142469	31-10-1974	CLUETT, PEABODY & CO., INC. River Street, Troy, State of New York-10036, U.S.A.	Recovery of ammonia from gas mixture.

1	2	3	4	5
			Street, Troy, State of New York-10036, U.S.A.	
80.	142471	26-04-1975	CHINON GYOGYSZER ESVEGYESZETI TERMEKER GYARA RT, 1-5 to U Budapest-4, Hungary.	Preparing new amino acid derivatives.
81.	142473	05-06-1975	SNAMPROGETTI S.P.A. 16, Corso Venezia, Milan Italy.	Process for producing urea.
82.	142482	18-07-1974	CESKOSLOVENSKA AKADEMIEVED, Prana, Czechoslovakia.	Preparations of emulsions, concentrated dispersions and pastes.
83.	142483	23-09-1974	C.S.I.R., Rafi Marg, New Delhi.	Recovery of calcium from copper refinery slimes.
84.	142492	05-11-1975	TEXACO DEVELOPMENT CORPORATION, 135 East 42nd Street, New York, New-York-10017, U.S.A.	Producing gaseous mixtures comprising H ₂ O and Co.
85.	142507	18-08-1975	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. Van Bylandtlaan, 30, the Hague, the Netherlands.	Production of hydrogen, carbon monoxide and light hydrocarbon containing gases.
86.	142509	01-10-1975	Do.	High pressure gasification.
87.	142517	10-09-1975	NUCHEM PLASTICS LTD. 20/6 Milestone, Mathura Road, Faridabad, Haryana-121002, India.	Producing a shaped article by compression moulding of urea formaldehyde or melamine formaldehyde moulding powders.
88.	142518	01-08-1975	RHONE-POULENC INDUSTRIES, 22 Avenue Montaigne, 75 paris (8th) France.	Microporous membranes and a method of obtaining them.
89.	142520	26-10-1973	DEGUSSA, 9, Weiss Franen Strasse, Frankfurt (Main) FRG.	Preparing textured vegetable protein.
90.	142549	02-07-1974	SOLVAY & CIE, 33 Vue du Prince Albert, B-1050, Brussels, Belgium.	Process for the manufacture of polyacetones from a B-dichloropropionic acid or its derivatives.
91.	142550	16-07-1974	WESTINGHOUSE ELECTRIC CORPORATION Westinghouse Building, Gateway Centre, Pittsburgh, Pennsylvania 15222, U.S.A.	Composition for forming thermoparticulating Coating which protects electrical apparatus.
92.	142552	21-08-1974	DR. C. OTTO & COMPANY GmpH, Bochum, West Germany.	Cylindrical shaft furnace for the reduction of iron ore.
93.	142571	10-07-1975	C.S.I.R., Rafi Marg, New Delhi.	Production of soluble granules used in making cellular metal.
94.	142572	15-09-1975	Do.	Manufacture of polymerised products suitable for use as processing aid for natural and synthetic rubber from cashew nut shell liquid.
95.	142592	07-08-1974	Do.	A novel device for evaporating silicon-monoxide thin film on glass alumina substrates used for the fabrication of hybrid integrated circuits.
96.	142595	20-11-1974	METALLGESELLSCHAFT AG, 16, Frankfurt Am Reutesmeg 14, West Germany.	Process of simultaneously producing methanol and methane.
97.	142610	12-12-1974	NORTON COMPANY, 1 New Bond Street, Worcester, State of Massachusetts, U.S.A.	Process for preparing zirconia alumina abrasive grits.
98.	142611	15-01-1976	NUCHEM PLASTICS LTD., 20/6 Milestone, Mathura Road, Faridabad, Haryana-121002, India.	A process for the preparation of trioxane.
99.	142619	09-04-1975	DR. C. OTTO & COMPANY, GmpH, Bochum, West Germany.	Plant for the Chemophysical surface treatment of wire coils.
100.	142628	19-11-1975	C.S.I.R., Rafi Marg, New Delhi.	Electrolytic stripping of defective nickel electrodeposits from copper or brass substrates.

1	2	3	4	5
101.	142629	01-11-1974	SUN VENTURES INC. 240, Radnov- chester Road, St. Davids, Pennsylvania- 19087, U.S.A.	Preparation of block copolymer of poly (dioxamide) and polyamide.
102.	142630	01-11-1974	Do.	Preparation of block copolymer of poly (dioxamide) and polyamide.
103.	142631	01-11-1974	Do.	Process for the preparation of block copolymer of poly (oxa-amide and) polyamide.
104.	142632	01-11-1974	Do.	Process for the preparation of block copolymer of poly (dioxo arylamide) and polyamide.
105.	142634	14-01-1975	CINCINNATI MILACRON CHEMICALS INC., Reading, State of Ohio, USA.	Stabilizer composition containing dimethy- lurea esters.
106.	142640	12-01-1976	JOHNSON & JOHNSON, 501 George Street, New Brunswick, New Jersey, USA.	A process for preparing a gel formula- tion of tretinoin for topical application.

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 8/ of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
141454 (20.11.73)	Process for polymerising unsaturated compounds.
141500 (03.06.75)	Method for the production of isocyanates.
141657 (06.02.74)	An improved process for production of zinc dust.
141709 (10.10.75)	A new route to the synthesis of coumarins.
141717 (15.07.76)	A method for desulfurisation of molten iron.
141733 (04.03.74)	Process for regeneration of nitriding carbonising salt bath.
141801 (19.08.75)	Method for the production of phenyl methyl carbinol.
141813 (01.08.74)	Process for preparing pyrazolium compounds having herbicidal effect.
141827 (12.08.76)	Process for preparing N-alkyldiphenyl amines.
141871 (02.06.75)	A method of preparing an antigonadotropin antibody preparation.
141900 (18.04.75)	A method of making an improved antiviral composition.
14190 (17.07.75)	A process for the preparation of α -14-(4-trifluoromethylphenoxy) phenoxy alkane carboxylic acids and derivatives thereof.
141915 (09.05.74)	Process for preparing 5-oxo carboxylic acid ester.
141919 (06.10.75)	A process for the manufacture of urea formaldehyde resin.
141983 (17.06.74)	A process for the production of hard wax, soft wax and resin from sulfitation press mud of the sugar industry.
142032 (11.02.74)	A process and apparatus for production of hot reducing gases for the reduction of oxide ores such as iron ore into sponge iron.
142036 (14.11.74)	A process for the preparation of 2, 2'-dichloro hydrazo benzene from 2, 2'-dichloroazoxybenzene.

142042 (08.08.75) A process for the preparation of pharmaceutical grade polyose from tamarindus indica seed.

142090 (22.01.76) Process for preparing cyclohexanone.

142102 (02.08.75) Process for the preparing aza cycloalkane compound.

142127 (16.05.74) Process for producing nickel.

RENEWAL FEES PAID

104878 105216 105217 105218 108945 110430 110548 110581
110607 114461 115439 115465 115923 116395 120834 120857
120951 120967 121148 121319 121335 121381 121483 121816
121941 124171 126253 126399 126528 126547 126699 127598
128261 129016 129916 131044 131140 131222 131400 131460
135238 135265 135359 135467 135641 135945 137675 138047
138654 139071 139158 139828 140083 140953 141078 141289
141359 141727 141733 141923 142264 142361 142337 142780
143548 143729 143863 144046 144125 144711 144980 145129
145428 145604 145813 146063 146218 146290 146440 146623
146677 146901 147396 147397 147398 147399 147400 147407
147430 147443 147456.

RESTORATION PROCEEDINGS

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 16th July, 1981 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 114874 and its patent of addition No. 118666 granted to The Cementation Company Limited for an invention relating to "consolidation of soil by novel drainage wicks".

The patent ceased on the 19th October, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2 dated the 15th March, 1980.

(2)

Notice is hereby given that an application for restoration of Patent No. 118901 dated the 3rd January, 1969 made by Council of Scientific & Industrial Research on the 2nd January, 1979 and notified in the Gazette of India, Part-III, Section 2 dated the 31st May, 1980 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 126262 dated the 20th April, 1970 made by Sybron Corporation on the 11th February, 1980 and notified in the Gazette of India, Part-III, Section 2 dated the 19th July, 1980 has been allowed and the said patent restored.

(4)

Notice is hereby given that an application for restoration of Patent No. 139478 dated the 4th February, 1975 made by Rajinder Kumar Jain and Devy Dayal on the 12th December, 1979 and notified in the Gazette of India, Part-III, Section 2 dated the 3rd May, 1980, has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 149845. Simpa Industries of 23 Shah Industrial Estate, Deonar, Bombay-400088, State of Maharashtra, India. "Lock". August 25, 1980.

Class 1. No. 150199. Kishco Cutlery Limited of 'Nirmal', 3rd floor, 241, Backbay Reclamation, Nariman-point, Bombay-400021, State of Maharashtra, India. "Fork-cum-knife-cum-spoon". December 6, 1980.

Class 3. No. 149747. Sony Kabushiki Kaisha, a Japanese Company of 7-35, Kitashinagawa 6-chome, Shina-

gawa-ku, Tokyo, Japan. "Video Tape Cassette Case" July 25, 1980.

Class 3. No. 149795. Miles India Limited, an Indian Company, of 589, Sayajipura, Ajwa Road, Baroda-390006, Gujarat State, India. "Plastic container with closure". August 14, 1980.

Class 3. No. 150202. Bharat Plastic Works Co-operative Society Limited of 8648, Shidipura, Model basti, New Delhi-110005. "Toy in the shape of a stick". December 6, 1980.

Class 4. No. 149423. Spencer & Co. Ltd., an Indian Company of 769 Anna Salai, Madras-600002, Tamil Nadu, India. "Containers for soft drinks and other liquids, viscous and semi-viscous". April 7, 1980.

Class 12. No. 150027. The Crown Manufacturing House of 19-20, Model Basti, Post Box No. 2555, Rani Jhansi Road, New Delhi-110005, Union Territory, India, an Indian Partnership Firm. "Candle". October 7, 1980.

Class 12. No. 150028. The Crown Manufacturing House of 19-20, Model Basti, Post Box No. 2555, Rani Jhansi Road, New Delhi-110005, Union Territory, India, an Indian Partnership Firm. "Candle". October 7, 1980.

Class 12. No. 150029. The Crown Manufacturing House of 19-20, Model Basti, Post Box No. 2555, Rani Jhansi Road, New Delhi-110005, Union Territory, India, an Indian Partnership Firm. "Candle". October 7, 1980.

S. VEDARAMAN
Controller-General of Patents, Designs
and Trade Marks.